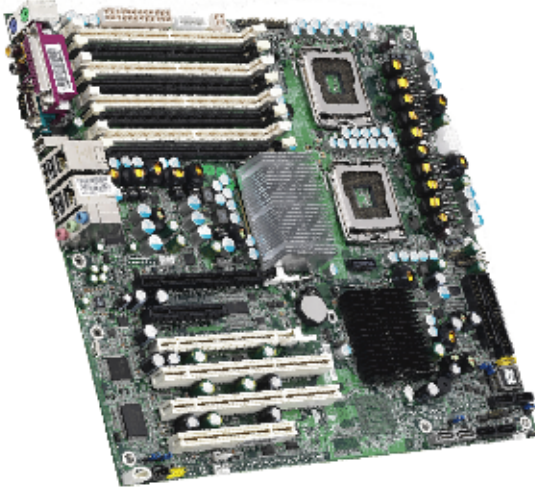


## Value DP Workstation Solution



### Tempest i5400XT

S5396WA2NRF / S5396A2NRF



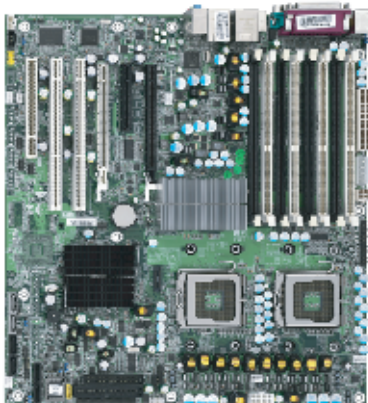
Intel® Dual Woodcrest/Clovertown/Hapertown/Wolfdale-DP processors

- Intel® Dual Woodcrest/Clovertown/Hapertown/Wolfdale-DP processors
- Supports 1.06/1.33 GHz FSB
- 8 FBDIMM DIMM slot up to 64GB capacity
- Expansion Capability
  - Two (2) PCI Express x16 slots (with x16 signal from Seaburg)
  - One (1) PCI Express x8 slot (x8 signal from 6321ESB)
  - Two (2) PCI-X 66/100/133 Slots
  - One PCI 32/33 slot
- (2) GbE from 6321ESB Firewire support
- High definition Audio w/ ALC888 codec
- Six SATA2 Port Running at 3Gb/Sec, support AHCI and RAID
- Integrated SAS - LSI 1068E SAS , Eight (8) SAS ports
- Trusted Platform Management (TPM) - Infineon SLB9635TT 1.2

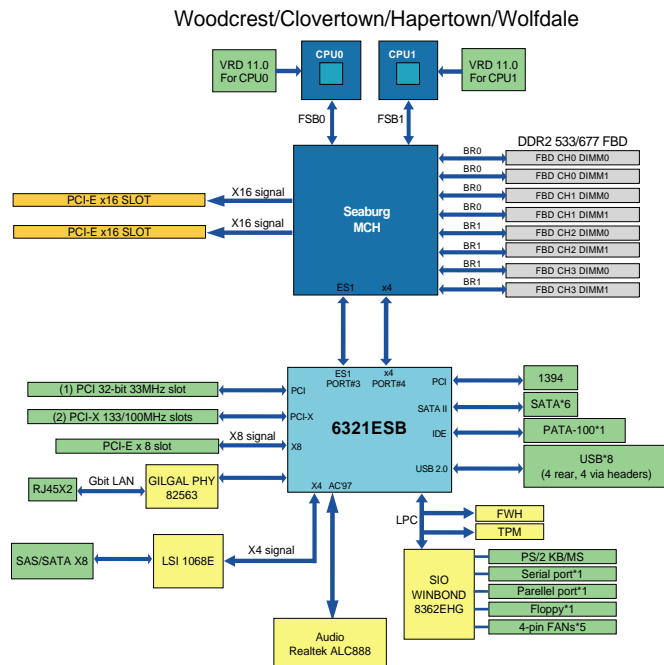
# Tempest i5400XT

S5396WA2NRF / S5396A2NRF

## ▼TOP View



## Block Diagram



## S P E C I F I C A T I O N S

### Processors

- Dual LGA771 sockets
- Supports up to two Intel® Woodcrest/Clovertown/Wolfdale/Hapertown processors
- 1.33 / 1.06GHz FSB
- VRD 11.0

### Expansion Slots

- Two (2) PCI Express x16 slots (from MCH)
- One (1) PCI Express x8 slot (x8 signal from 6321ESB)
- Two (2) PCI-X 133/100MHz slots from 6321ESB
- One (1) PCI 32-bit 33MHz slot
- Total six expansion slots

### Chipset

- Intel® 5400 MCH + 6321ESB

### Chipset

- Support for 1.33 / 1.06GHz FSB
- Winbond W83627EHG Super I/O Chip

### System Management

- ADI Hardware Monitor with PECI circuit
- CPU thermal & voltage monitor support
- Five (5) fan headers (4-pin configuration)

### Memory

- Eight 240-pin DDR2 FB-DIMM sockets
- 4 memory channels
- Supports ECC DIMMs
- Maximum of 64/32 GB DDR2-533/667

### Integrated Serial ATA II

- Six (6) SATA-II ports running at 3.0 Gb/s
- RAID 0, 1, 5, 10 support in Windows

### Integrated SAS

- LSI 1068E SAS Controller
- PCI-E x4 interface to 6321ESB
- Eight SAS Ports

### Back Panel I/O Ports

- Stacked PS/2 keyboard and mouse connectors
- One SPDIF in/out
- Stacked Serial (one) and parallel (one) connectors
- Two stacked dual USB ports w/ GbE RJ-45 connectors
- FireWire (1394a) connector
- Stacked Line-in, Line-out, Mic-in audio connectors

### Trusted Platform Management (TPM)

- Infineon SLB9635TT 1.2

### Integrated I/O Interfaces

- Two USB 2.0 headers
- Six standard/integrated SATA-II connectors
- One IDE and one Floppy CON
- Eight SAS Ports
- One 4-pin CD-in and one 4-pin Aux header
- One 9-pin front panel audio header

### Integrated LAN controllers

- Intel® Gigabit from 6321ESB (w/ dual ports "Gilgal" 82563)
- Two RJ-45 ports with LEDs

### Integrated Audio

- HDA link
- RealTek ALC888 controller (High Definition Audio)
- Line-in, Line-out, Mic-in rear ports
- Front panel audio header
- CD-in, Aux headers (4-pin configuration)
- SPDIF in/out connector in rear

### Integrated PCI 1394

- TI TSB43AB22 1394a controller
- 1394a channel for rear (connector)
- 1394a channel for front (header)

### Server Management

Baseboard Management Controller (BMC) from daughter card M3291

- Tailored for IPMI 2.0 specification
- Supports remote power on/off and reset (IPMIover-LAN)
- Server Management Daughter card via built-in 2x25 header

### BIOS

- PhoenixBIOSR on 8Mbit Flash ROM
- Support APM 1.2, ACPI 2.0
- Serial Console Redirect
- PXE via Ethernet, USB device boot
- PnP, DMI 2.0, WfM 2.0 Power

### Management

- User-configurable H/W monitoring
- Auto-configuration of hard disk types
- Multiple boot options
- 48-bit LBA support

### Power

- EPS12V/SSI (24+8+2X2 pin) power connectors

Note: If Slot6 (PCI-E X16 slot, the one closest to the memory slots) is used, 4X1 pin power connector must be plugged in)

### Form Factor

- SSI / Extended ATX (12" x 13" )

### Regulatory

- FCC Class B (DoC)
- European Community CE (DoC)

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